

RAW SEQUENCE LISTING

EFS

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/655,543A
Source: 1 Fw/b.
Date Processed by STIC: 12/27/06

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IFW16

RAW SEQUENCE LISTING

DATE: 12/27/2006

PATENT APPLICATION: US/10/655,543A

TIME: 13:54:26

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HLL-ST25.txt

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3 <110> APPLICANT: Shattuck, Donna M.
 4 Stone, Steven
 5 Russell, Deanna L
 6 Abkevich, Victor
 7 Hunt, Steven
 9 <120> TITLE OF INVENTION: OBESITY GENE AND USE THEREOF
 11 <130> FILE REFERENCE: 1312.03
 13 <140> CURRENT APPLICATION NUMBER: US 10/655,543A
 14 <141> CURRENT FILING DATE: 2003-09-03
 16 <160> NUMBER OF SEQ ID NOS: 108
 18 <170> SOFTWARE: PatentIn version 3.3
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 3507
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Homo sapiens
 25 <400> SEQUENCE: 1

see p. 6

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147 <212> TYPE: PRT
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160 Ser Leu Thr Thr Met Pro Met Leu Pro Trp Val Val Ala Glu Val Arg
161 35 40 45
164 Arg Leu Ser Arg Gln Ser Thr Arg Lys Glu Pro Val Thr Lys Gln Val
165 50 55 60
168 Arg Leu Cys Val Ser Pro Ser Gly Leu Arg Cys Glu Pro Glu Pro Gly
169 65 70 75 80
172 Arg Ser Gln Gln Trp Asp Pro Leu Ile Tyr Ser Ser Ile Phe Glu Cys
173 85 90 95

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180 Tyr Phe Ala Cys Leu Ile Lys Glu Asp Ala Val His Arg Gln Ser Ile
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184 Cys Tyr Val Phe Lys Ala Asp Asp Gln Thr Lys Val Pro Glu Ile Ile
185      130      135      140
188 Ser Ser Ile Arg Gln Ala Gly Lys Ile Ala Arg Gln Glu Glu Leu His
189 145      150      155      160
192 Cys Pro Ser Glu Phe Asp Asp Thr Phe Ser Lys Lys Phe Glu Val Leu
193      165      170      175
196 Phe Cys Gly Arg Val Thr Val Ala His Lys Lys Ala Pro Pro Ala Leu
197      180      185      190
200 Ile Asp Glu Cys Ile Glu Lys Phe Asn His Val Ser Gly Ser Arg Gly
201      195      200      205
204 Ser Glu Ser Pro Arg Pro Asn Pro Pro His Ala Ala Pro Thr Gly Ser
205      210      215      220
208 Gln Glu Pro Val Arg Arg Pro Met Arg Lys Ser Phe Ser Gln Pro Gly
209 225      230      235      240
212 Leu Arg Ser Leu Ala Phe Arg Lys Glu Leu Gln Asp Gly Gly Leu Arg
213      245      250      255
216 Ser Ser Gly Phe Phe Ser Ser Phe Glu Glu Ser Asp Ile Glu Asn His
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221      275      280      285
224 Arg Thr Met Leu Phe Thr Ile Gly Gln Ser Glu Val Tyr Leu Ile Ser
225      290      295      300
228 Pro Asp Thr Lys Lys Ile Ala Leu Glu Lys Asn Phe Lys Glu Ile Ser
229 305      310      315      320
232 Phe Cys Ser Gln Gly Ile Arg His Val Asp His Phe Gly Phe Ile Cys
233      325      330      335
236 Arg Glu Ser Ser Gly Gly Gly Gly Phe His Phe Val Cys Tyr Val Phe
237      340      345      350
240 Gln Cys Thr Asn Glu Ala Leu Val Asp Glu Ile Met Met Thr Leu Lys
241      355      360      365
244 Gln Ala Phe Thr Val Ala Ala Val Gln Gln Thr Ala Lys Ala Pro Ala
245      370      375      380
248 Gln Leu Cys Glu Gly Cys Pro Leu Gln Ser Leu His Lys Leu Cys Glu
249 385      390      395      400
252 Arg Ile Glu Gly Met Asn Ser Ser Lys Thr Lys Leu Glu Leu Gln Lys
253      405      410      415
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261      435      440      445
264 Ile Ser Phe Leu Arg Cys Leu Tyr Glu Glu Lys Gln Lys Glu His Ile
265      450      455      460
268 His Ile Gly Glu Met Lys Gln Thr Ser Gln Met Ala Ala Glu Asn Ile
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281			515					520				525				
284	Asp	Leu	Asp	Ser	Ser	Leu	Ser	Ser	Thr	Leu	Ser	Asn	Thr	Ser	Lys	Glu
285		530					535				540					
288	Pro	Ser	Val	Cys	Glu	Lys	Glu	Ala	Leu	Pro	Ile	Ser	Glu	Ser	Ser	Phe
289	545					550				555						560
292	Lys	Leu	Leu	Gly	Ser	Ser	Glu	Asp	Leu	Ser	Ser	Asp	Ser	Glu	Ser	His
293				565				570				575				
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297			580					585				590				
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301			595					600				605				
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305		610					615				620					
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317			660					665				670				
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321		675					680				685					
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325		690				695				700						
328	Pro	Phe	Gly	Pro	Pro	Pro	Glu	Glu	Lys	Lys	Arg	Thr	Ser	Arg	Glu	Leu
329	705					710				715						720
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333			725					730				735				
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337			740					745				750				
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345		770				775				780						
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357			820					825						830		
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380 Leu Lys Phe Leu Met Phe Asp Met Gly Leu Arg Lys Gln Tyr Arg Pro
381           915           920           925
384 Asp Met Ile Ile Leu Gln Ile Gln Met Tyr Gln Leu Ser Arg Leu Leu
385           930           935           940
388 His Asp Tyr His Arg Asp Leu Tyr Asn His Leu Glu Glu His Glu Ile
389 945           950           955           960
392 Gly Pro Ser Leu Tyr Ala Ala Pro Trp Phe Leu Thr Met Phe Ala Ser
393           965           970           975
396 Gln Phe Pro Leu Gly Phe Val Ala Arg Val Phe Asp Met Ile Phe Leu
397           980           985           990
400 Gln Gly Thr Glu Val Ile Phe Lys Val Ala Leu Ser Leu Leu Gly Ser
401           995           1000           1005
404 His Lys Pro Leu Ile Leu Gln His Glu Asn Leu Glu Thr Ile Val
405           1010           1015           1020
408 Asp Phe Ile Lys Ser Thr Leu Pro Asn Leu Gly Leu Val Gln Met
409           1025           1030           1035
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413           1040           1045           1050
416 Leu Gln Ala Tyr Glu Val Glu Tyr His Val Leu Gln Glu Glu Leu
417           1055           1060           1065
420 Ile Asp Ser Ser Pro Leu Ser Asp Asn Gln Arg Met Asp Lys Leu
421           1070           1075           1080
424 Glu Lys Thr Asn Ser Ser Leu Arg Lys Gln Asn Leu Asp Leu Leu
425           1085           1090           1095
428 Glu Gln Leu Gln Val Ala Asn Gly Arg Ile Gln Ser Leu Glu Ala
429           1100           1105           1110
432 Thr Ile Glu Lys Leu Leu Ser Ser Glu Ser Lys Leu Lys Gln Ala
433           1115           1120           1125
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437           1130           1135           1140
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448 <210> SEQ ID NO: 3

449 <211> LENGTH: 1215

450 <212> TYPE: DNA

451 <213> ORGANISM: Homo sapiens

453 <400> SEQUENCE: 3

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FyI
Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220>

to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:27; Xaa Pos. 59,520,525

VERIFICATION SUMMARY

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M:341 Repeated in SeqNo=27